

Six Sigma Black Belt

Winter 2010

About the Program

Six Sigma is a series of tools, techniques, and business metrics that represent the best in quality and process improvement -- the minimization of variation and defects from products, processes and services to almost zero.

The Six Sigma Black Belt program develops understanding and enables employment of one of today's proven approaches to maximizing productivity through control over every process step. Six Sigma achieves results-based organizational effectiveness through product and process improvement and increased profitability for its practitioner companies. Six Sigma and its frontline Black Belts can be the source of revolutionary and rapid process improvements leading to dramatic increases in both productivity and profitability, and ultimately to sustained enterprise growth.

Program Objectives

- Present the essential principles of the Six Sigma improvement methodology to working professionals.
- Provide participants with the tools and techniques to implement Six Sigma within their own organizations.
- Facilitate collaboration and communication among practicing Six Sigma organizations and professionals across a broad range of industries.

Who Should Attend?

- Any team or individual responsible for managing or participating significantly in manufacturing, design or business process activities, including:
 - Managers, Professionals and Line Staff
 - Product Design and Development
 - Manufacturing Operations
 - Supply Chain Management
 - Manufacturing and Quality Engineers
 - Finance and Business Administration



Represented Industries

- Computers and Electronics
- Telecommunications
- Medical Devices and Pharmaceuticals
- Fabricated Metal and Machining
- Plastics and Chemicals
- Software Development
- Food and Beverage

Winter 2010 Schedule

Information Session

January 8, 2010
8:00 a.m. – 9:00 a.m.

This free information session allows interested students to find out more about the program and meet the instructor(s). This session is for prospective students. It is not required for enrolled students, though they are welcome.

To attend, please RSVP to mgibert@ucsd.edu.

Sponsor Meeting

January 22, 2010
11:30 a.m. -1:30 p.m.

Instructional Modules

(Sessions are scheduled on Fridays and Saturdays from 8:00 a.m.-4:00 p.m.)

Module I: February 5-6, 2010
Module II: February 19-20, 2010
Module III: March 5-6, 2010
Module IV: March 19-20, 2010
Module V: April 2-3, 2010
Module VI: April 16-17, 2010

Final Project

April 30, 2009
(The program concludes with participant project report presentations demonstrating effects on business performance.)

Location

UC San Diego-Extension
Sorrento Mesa Center
6925 Lusk Blvd., 1st Floor
San Diego, CA 92121 ([map](#))
Phone: (858) 882-8000
Fax: (858) 882-8005



Fee

- \$4995.00

Program Fee Includes:

- Course Materials
- Lunches
- Six Sigma Black Belt Certificate Fee
- Textbooks
 - Basic Statistics: Tools for Continuous Improvement, by Mark J. Kiemele, Stephen R. Schmidt, and Ronald J. Berdine. Publisher: Air Academy; 4th ed. ISBN: 1880156067.
 - The Black Belt Memory Jogger Desktop Guide: A Desktop Guide for Six Sigma Success, by Paul Sheehy, et al.. Publisher: Goal/QPC; Spiral edition. ISBN: 1576810542.
- Software
 - SPC XL and DOE KISS software from Air Academy.

Application Process

To apply for the Six Sigma Black Belt program, complete the [Enrollment Application Form](#).

- **For more information:**
Margaret Gibert
(858) 882-8018
mgibert@ucsd.edu
extension.ucsd.edu/sixsigma

Notes:

- UC San Diego Extension accepts cash, checks, credit cards (Visa/MC/AmEx/Discover), and company Purchase Orders (PO). If paying by PO, please include a copy of the PO with the application. Checks should be made payable to **UC Regents**.
- Students will be notified of their acceptance within one week of submission of application. Payment must accompany application.
- Enrollment is limited to 15 students and there is a limit of 5 from any one company.

Instructors

Albert Almuete, BSEE, MSQA, has vast experience in aerospace, defense and consumer manufacturing environments as well as in the service sector. He is a highly successful Six Sigma Master Black Belt and Senior Quality Assurance Engineer. Mr. Almuete has successfully developed and facilitated the implementation of major Six Sigma infrastructures for Sony Corporation. He managed several cross functional Six Sigma projects at satellite and corporate groups in the San Diego and New Jersey Sony facilities, resulting in millions of dollars in savings. He was an active facilitator, champion, leader, and mentor to countless Greenbelts, Blackbelts, Master BB, and Sponsors while at Sony and Raytheon. He is now involved with metrics development for the Aeronautical Division of General Atomics. He received his BS in Electrical Engineering at National University and completed his MS in Quality Assurance from California State University - Dominguez Hills.

Florentino Nacu, BSME, MBA/TM, has over 30 years experience in manufacturing, managing engineering projects, and leading various process improvements. He has most recently been a Raytheon Six Sigma Expert and Mentor at Raytheon Integrated Defense System. Mr. Nacu has a strong background in process improvement in operations, manufacturing, and project management utilizing Six Sigma methodologies. He received his BS in Mechanical Engineering from Mapua Institute of Technology and MBA with emphasis in Technology Management from University of Phoenix.



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